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Qixia Zhang, Pat. Agent (China)

August 28, 2003

**Mail Stop: PATENT APPLICATION**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Attorney Reference: TOP 312

**Re:** New Patent Application of: Der-Zheng LIU, Song-Nien TUNG  
Kuang-Yu YEN and Tai-Cheng LIU

**Title:** METHOD AND APPARATUS FOR I/Q IMBALANCE ESTIMATION

Sir:

Please find attached hereto an application for patent that includes:

- [x] Specification, Claims and Abstract (20 Pages)
- [x] 5 Sheets of Formal Drawings (Fig. 1A through Fig. 4B)
- [x] Inventor's Declaration and Power of Attorney (2 Pages)
- [x] Assignment document with cover page (2 Pages)
- [x] Information Disclosure Statement, Form PTO-1449/4 Refs
- [x] Claim for priority and priority document
- [x] Fee (see formula below)
- [x] Form PTO-2038

Basic Fee \$750/375 \$ 750.00

Additional Fees:

Total number of claims: 22  
in excess of 20: 2 times \$18/9 \$ 36.00

Number of independent claims: 4  
in excess of 3: 1 times \$84/42 \$ 84.00

Multiple Dependent Claims \$280/140 \$ 0.00

Recording Fee \$40. \$ 40.00

**TOTAL FEES FOR THE ABOVE APPLICATION \$ 910.00**

In the event there is attached hereto no check or form PTO-2038 (credit card payment form), or a check or form for an insufficient amount, please charge the fee to our Account No. 18-0002 and notify us accordingly.

The right of priority is claimed under 35 USC §119 of Taiwanese Application No. 091133808, filed November 20, 2002.

Respectfully submitted,



Steven M. Rabin (Reg. No. 29,102)

Customer No. 23995

August 28, 2003

Date

SMR:tl

**FEE ENCLOSED: \$ 910.00**  
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18334 U.S. PTO  
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